INTERNATIONAL JOURNAL OF MASS SPECTROMETRY AND ION PROCESSES, VOLUME 78 (1987)

AUTHOR INDEX

Bachmann, D. 53
Bahr, U. 53
Becker, O. 273
Bentz, B.L. 115
Berg, J. 259
Beuhler, R.J. 1
Biemann, K. 213
Boesl, U. 69

Callahan, J.H. 195
Campana, J.E. 195
Chait, B.T. 237, 305
Chaudhary, T. 85
Chiarelli, M.P. 37
Colton, R.J. 315
Cooks, R.G. 131
Cotter, R.J. 251

Davis, S.C. 17
Della-Negra, S. 273
Demirev, P. 251
Derrick, P.J. 17
Deutsch, C. 273
Dorn, S.B. 99

Ens, W. 179

Fenselau, C. 251
Field, F.H. 85, 305
Friedman, L. 1
Furlong, J.J.P. 305

Gale, P.J. 115
Gross, M.L. 37
Grotemeyer, J. 69
Guthier, W. 273

Håkansson, P. 229, 259
Hand, O.W. 131
Hautala, M. 329
Hillenkamp, F. 53
Hruska, F.E. 179

Johnson, R.E. 357
Jonsson, G. 229

Karas, M. 53
Katz, R.N. 85
Kidwell, D.A. 315
King, B.V. 341

LaFortune, F. 179
Le Beyec, Y. 273
Ligon, W.V. Jr. 99
Lin, S.H. 341
Lindquist, S.-E. 259
Loo, J.A. 305

McLafferty, F.W. 305
Mallis, L.M. 147
Martin, S.A. 213
Maynard, G. 273
Monart, B. 273

Natoli, V. 17
Neumann, G.M. 17
Nielsen, P.F. 229

Roepstorff, P. 229
Ross, M.M. 195, 315
Russell, D.H. 147

Sadana, K.L. 179
Säve, G. 259
Scheifers, S.M. 131
Schlag, E.W. 69
Söderström, E. 259
Standing, K.G. 179, 273
Sundqvist, B.U.R. 229, 259, 329

Tsong, I.S.T. 341

Walter, K. 69
Wang, B.H. 305
Westmore, J.B. 179
Whitlow, H.J. 329
Wien, K. 273
Williams, E.R. 305

INTERNATIONAL JOURNAL OF MASS SPECTROMETRY AND ION PROCESSES, VOLUME 78 (1987)

SUBJECT INDEX

alkali metal salts
a model of ion evaporation tested through field desorption experiments on glucose mixed with — 17
O-alkylated thymidines
metastable ion studies with a secondary ion time-of-flight mass spectrometer. Enhanced distinction between isomers of — 179
amino acids
biomolecules in the gas phase. III. Multiphoton ionization mass spectra of phenylthiohydantoin amino acids and free — 69

biomolecules
— in the gas phase. III. Multiphoton ionization mass spectra of phenylthiohydantoin amino acids and free amino acids 69
biomolecule targets
collision cascade parameters for slow particles impinging on — 329

cationization
mechanism of — of sucrose by sodium in laser desorption: a study by Fourier transform mass spectrometry 37
clusters
mechanisms of ion-induced desorption of large molecules and — 341
collision cascade parameters
— for slow particles impinging on biomolecule targets 329
counterion effects
interfacial reactions and — in the secondary ion mass spectra of perrhenate salts 131

desorption
mechanisms for the — of large organic molecules 357
desorption
the charge state dependence of —. A way to study the energy transfer to the surface 273

energy transfer to the surface
the charge state dependence of desorption. A way to study the — 273
ethylene glycol
particle bombardment (keV) mass spectra of —, glycerol, and water at sub-ambient temperatures 85

fast heavy ions
desorption of secondary ions from Langmuir–Blodgett films following bombardment with — 259
fragile molecule mass spectrometry
rapid heating in — 1

glucose
a model of ion evaporation tested through field desorption experiments on — mixed with alkali metal salts 17
glycerol
particle bombardment (keV) mass spectra of ethylene glycol, —, and water at sub-ambient temperatures 85
glycerol surface
understanding the — as it relates to the secondary ion mass spectrometry experiment. A review 99

high mass fragmentation
—. Matrix effects in plasma desorption mass spectrometry 251
hydrogen–deuterium exchange
characterization of organic dyes aided by — in liquid secondary ion mass spectrometry (liquid SIMS) 115

interfacial reactions
— and counterion effects in the secondary ion mass spectra of perrhenate salts 131
involatile compounds
^{252}Cf plasma desorption Fourier transform mass spectrometry of — 305
ion evaporation
a model of — tested through field desorption experiments on glucose mixed with alkali metal salts 17
ion-induced desorption
mechanisms of — of large molecules and clusters 341

ion/molecule reactions
— of sputtered species 195
ion production
a mechanism of — in secondary ion mass spectrometry 315

Langmuir–Blodgett films
desorption of secondary ions from — following bombardment with fast heavy ions 259
large molecules
mechanisms of ion-induced desorption of — and clusters 341
laser desorption
mechanism of cationization of sucrose by sodium in —: a study by Fourier transform mass spectrometry 37

matrix effects
high mass fragmentation. — in plasma desorption mass spectrometry 251
metastable ion studies
— with a secondary ion time-of-flight mass spectrometer. Enhanced distinction between isomers of *O*-alkylated thymidines 179
molecular ion formation
the influence of sample preparation on — in plasma desorption mass spectrometry of peptides and proteins 229

nitrocellulose
a study of the fragmentation of singly and multiply charged ions produced by ^{252}Cf fission fragment bombardment of polypeptides bound to — 237
non-volatile compounds
matrix-assisted ultraviolet laser desorption of — 53

organic dyes
characterization of — aided by hydrogen–deuterium exchange in liquid secondary ion mass spectrometry (liquid SIMS) 115
organic molecules
mechanisms for the desorption of large — 357
organo-alkali metal ions
some general aspects of the chemistry of —. An overview of recent work 147

peptides
a comparison of keV atom bombardment mass spectra of — obtained with a two-sector mass spectrometer with those from a four-sector tandem mass spectrometer 213
peptides
the influence of sample preparation on molecular ion formation in plasma desorption mass spectrometry of — and proteins 229

perrhenate salts
interfacial reactions and counterion effects in the secondary ion mass spectra of — 131
phenylthiohydantoin amino acids
biomolecules in the gas phase. III. Multiphoton ionization mass spectra of — and free amino acids 69
polypeptides
a study of the fragmentation of singly and multiply charged ions produced by ^{252}Cf fission fragment bombardment of — bound to nitrocellulose 237
proteins
the influence of sample preparation on molecular ion formation in plasma desorption mass spectromety of peptides and — 229

sample preparation
the influence of — on molecular ion formation in plasma desorption mass spectrometry of peptides and proteins 229
secondary ion mass spectrometry
understanding the glycerol surface as it relates to the — experiment. A review 99
secondary ions
desorption of — from Langmuir–Blodgett films following bombardment with fast heavy ions 259
slow particles
collision cascade parameters for — impinging on biomolecule targets 329
sodium
mechanism of cationization of sucrose by — in laser desorption: a study by Fourier transform mass spectrometry 37
sputtered species
ion/molecule reactions of — 195
sucrose
mechanism of cationization of — by sodium in laser desorption: a study by Fourier transform mass spectrometry 37

water
particle bombardment (keV) mass spectra of ethylene glycol, glycerol, and — at subambient temperatures 85